Amendments to the Specification

On page 7, please replace the paragraph beginning on line 8, with the following heading and paragraph:

BRIEF DESCRIPTION OF THE DRAWINGS

This method and its improvement are described in more detail below as non-limitative examples, and with reference to the following drawing, in which:

Fig. 1 is a flowchart illustrating the method according to the present invention.

On page 7, before line 11, please insert the following paragraph:

Fig. 1 is a flowchart illustrating the method for controlling program execution integrity by verifying execution traces according to one embodiment of the invention. At step 10, a trace print representing an execution pathway and/or handled data on program execution is updated. At step 20, the trace point along the execution pathways is adjusted before reaching certain points of convergence of a check flow so that trace prints of converging pathways are made equal. At step 30, the trace print calculated dynamically is compared with an expected value fixed statically, equal to ~~the~~ a value the trace print should have if program execution is not disturbed at determined points of the program. At step 40, special treatment is performed if the current trace print differs from the expected value.